

Amendments to the Specification

On Page 1, line 19 to page 2, line 2, please amend the paragraphs as follows:

Mobile IP has two working modes. The first is illustrated in Figure 1; a mobile terminal is currently attached as a Mobile Node (MN) 4410 in a network different from its home network. The MN 4410 is communicating with a Correspondent Node (CN) 12. A Home Agent 4614 is set up in the home ~~network~~ by the CN 12, and a Foreign Agent (FA) 4816 is set up in the foreign network. The FA 4816 allocates a unique IP address for the visiting mobile, a Care of Address (COA) and this address is sent to the HA 4614 in a Binding Update.

Packets for the mobile are encapsulated by the HA 4614 and tunneled along tunnel 2018 to the FA 4816 for transmission to MN 4410. In such encapsulation, an extra IP header is added to each packet, including the COA of the MN 4410. This is known as FA-COA working mode.

In the second working mode (not illustrated) there is no FA, the MN 4410 is allocated a unique COA and encapsulated packets are tunneled by HA 4614 directly to MN 4410; this is known as Collocated Care of Address mode of working (CO-COA).